

FORM PTO-1449
(Equivalent)

U.S. Department of Commerce
Patent and Trademark Office

U.S. Application Serial No.
10/617,950

Atty. Docket No.
AM-6051.P1



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Mark Crockett et al.
Applicants

July 12, 2003
Filing Date

Unknown
Group

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<u>HL</u>	4,691,856	09/08/87	Haramaki et al.	228	194	
<u>HL</u>	4,828,219	05/09/89	Ohmi et al.	251	118	
<u>HL</u>	5,226,578	07/13/93	Douglas	228	157	
<u>HL</u>	5,253,796	10/19/93	Stacher et al.	228	193	
<u>HL</u>	5,401,583	03/28/95	Stacher et al.	428	594	
<u>HL</u>	5,611,944	03/18/97	Gilkinson et al.	219	117.1	
<u>HL</u>	5,755,428	05/26/98	Ollivier	251	331	
<u>HL</u>	5,888,390	03/30/99	Craig	210	198.2	
<u>HL</u>	6,062,246	05/16/00	Tanaka et al.	137	12	
<u>HL</u>	6,068,179	05/30/00	Fowler	228	157	
<u>HL</u>	6,221,235	04/24/01	Gebhart	205	654	
<u>HL</u>	6,357,760	03/19/02	Doyle	277	604	

Examiner

Date Considered

Thayer L

06-15-05

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation If Appropriate</u>
<u>HL</u>	DD 112821B	6/25/80	Frohlich H.	F16K	017/04	Abstract
<u>HL</u>	DE 19703169	7/30/98	Kaes et al.	F02M	025/07	Abstract
<u>HL</u>	JP 8075017	03/19/96	Motoyama Seisakusho KK	F16K	007/16	Abstract
<u>HL</u>	JP 11101352	04/13/99	Motoyama Seisakusho KK	F16K	007/16	Abstract
<u>HL</u>	JP 11194833	07/21/99	Hitachi Metals Ltd.	G05D	007/06	Abstract
<u>HL</u>	WO 01/14775	03/01/01	Appleford et al.	F16K	31/04	
<u>HL</u>	WO 01/54806	08/02/01	Johnston et al.	B01J	8/02	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

- HL V.A. Bubnov, "Calculation of flow rate characteristics for controlling the hydraulic drive of a machine tool," Soviet Engineering Research, Vol. 10, No. 11, pp. 90-96 (1990).
- HL D. Robinson et al., "Actuated Diaphragm Valves for Control Applications," Papers Presented at the International Conference on Developments in Valves & Actuators for Fluid Control, published by BHRA, Cranfield, England, pp. 97-117 (1985).
- HL N. Sidell et al., "The design and construction of a high temperature linear electromagnetic actuator," Journal of Applied Physics, Vol. 85, No. 8, 2A, pp. 4901-4903 (April 1999).

Examiner	Date Considered
<i>Thayer Le</i>	06-15-05

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SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Mark Crockett et al.
Applicants

July 12, 2003
Filing Date

Unknown
Group

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<u>HL</u>	3,391,703	08/06/65	Kay	137	269	
<u>HL</u>	3,664,887	05/23/72	Atkiss	148	6.16	
<u>HL</u>	4,581,624	04/08/86	O'Connor	357	26	
<u>HL</u>	5,859,107	01/12/99	Jones et al.	524	406	
<u>HL</u>	6,251,779	06/26/01	Lu et al.	438	682	
<u>HL</u>	6,305,418	10/23/01	Schulze	137	625.23	

U. S. PATENT APPLICATION DOCUMENTS

Examiner Initial	Document Number	Publication Date	Name	Class	Subclass	Filing Date
<u>HL</u>	2001/0028049A1	10/11/01	Mamyo	251	63.5	04/05/01
<u>HL</u>	2002/0003222A1	01/10/02	Fukano et al.	251	63.5	07/06/01
<u>HL</u>	2002/013445A1	09/26/02	Eidsmore et al.	137	884	05/23/02

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<u>Examiner Initial</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation (If Appropriate)</u>
<u>HL</u>	EP 0918178	05/26/99	Ford et al.	F16K	27/00	
<u>HL</u>	EP 0989605	03/29/00	Funamoto et al.	H01L	23/06	
<u>HL</u>	GB 0743972	01/25/56	Olah et al.	99	1	
<u>HL</u>	GB 1279167	06/28/72	ITT Industries, Inc.	H01L	7/00	
<u>HL</u>	GB 1440968	06/30/76	Whitestone	H01F	1/18	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

_____ Copy of Search Report in corresponding PCT Application No. PCT/US93/40616.

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